



# Coconino County LWIA

## Labor Market Information

### Introduction Summary

The Arizona Office of Economic Opportunity (OEO) produces demographic, labor force, regulatory, workforce, and economic information for Arizona and substate areas. OEO created the following summary of economic highlights for Coconino County.

- Coconino County experienced positive population growth between 2010 and 2017. Over this period, Coconino County's population increased by 6,341 individuals.
- The population in Coconino County is projected to continue growing into future at a rate of roughly 1% per year.
- Arizona's population over the age of 65 is growing much faster than other age cohorts, but this growth rate is expected to decline starting in 2020.
- Coconino County has lower income, a lower median age, and a higher rate of poverty than the rest of Arizona.
- There is a much higher proportion of Coconino County residents with postsecondary educational degrees compared to the rest of Arizona.
- Unemployment tends to decrease with higher educational attainment. Coconino County's unemployment rate for individuals with a Bachelor's Degree or higher is 0.6% while residents who did not complete high school have a 19.7% unemployment rate.
- Despite much higher rates of poverty in Coconino County, public assistance is utilized by roughly the same proportion of households in Coconino County as the rest of Arizona.
- Sources of health insurance for Coconino County residents mirror the trends in all of Arizona.
- The unemployment rate in Coconino County tends to hover slightly above Arizona's unemployment rate.
- From 2001-2017, the composition of the economy changed. Education and Health Services; Leisure and Hospitality; and Manufacturing gained shares. Government; Trade, Transportation, and Utilities; and Mining and Construction lost shares.
- Coconino County is projected to experience modest job growth in many different industries.

This section summarizes labor market and workforce trends occurring within the Coconino County economy to help address and manage future workforce challenges.



# **Economic Overview**

## **Coconino County**

### **How to use data:**

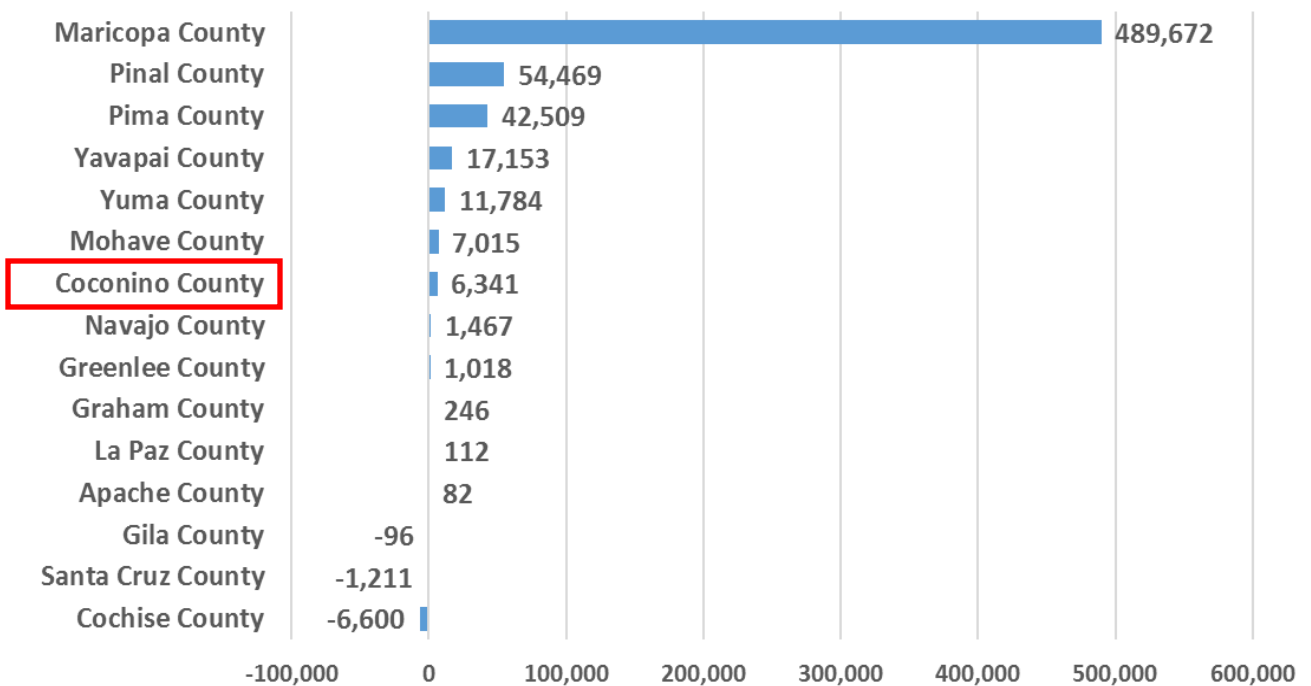
- Use data to drive decision, not validate decisions
- Use more than one source of data** – don't lock yourself into a single estimate, consider all of the available data to get the most accurate picture
- Know the limitations of your data set** – it's easy to accidentally misuse data and draw erroneous conclusions
- Become familiar with different data sets (or someone who is)** – there is no one place to find all the data you need

### **Immerse yourself in the data**

### **Be prepared to accept surprising surprises**



## Population Growth by County (2010-2017):



Source: Produced by the Arizona Office of Economic Opportunity using 2017 Population Estimates (PEPTCOMP) in cooperation with the US Census Bureau

Maricopa, Pima, and Pinal Counties represented 94% of total population growth within the state; however, these counties are also the most populous. Coconino County's growth over this period represents 4.4% of the total population of Coconino County on July 1st, 2017. Projected population growth is expected to remain positive until the end of the projection period in 2050.



## Coconino County Population Projections 2015 Medium Series

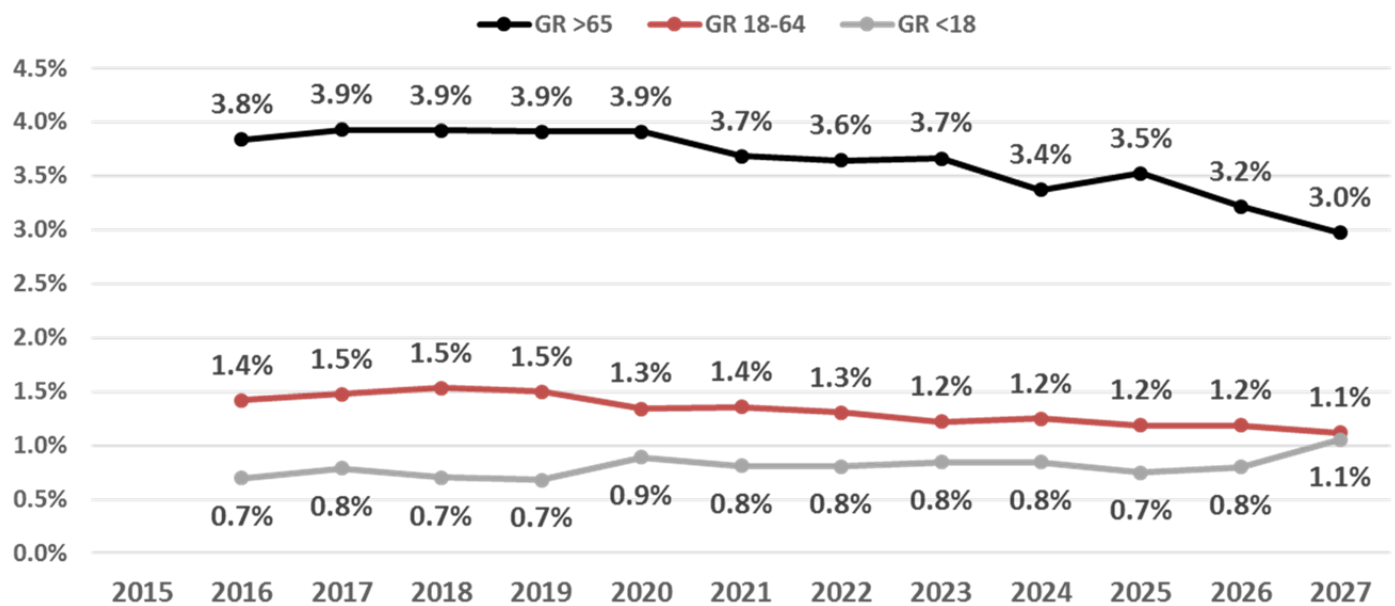
Year	Population	Population Change	Population % Change	Natural Change (Births-Deaths)	Total Net Migration (Inflows-Outflows)
2017	145,345	1,729	1.2%	899	643
2018	146,902	1,557	1.1%	869	496
2019	148,362	1,460	1.0%	839	425
2020	149,769	1,406	0.9%	806	399
2021	151,147	1,379	0.9%	775	398
Source: Arizona Office of Economic Opportunity 2015-2050 Population Projections, Medium Series					

Coconino County is projected to have steady, modest growth until the end of the projection period in 2050. Roughly two thirds of this population growth will be created by natural change (number of births exceeding the number of deaths). Roughly one third of this population growth will be created by net migration (number of individuals moving to Coconino County exceeding the number of individuals moving away from Coconino County).



# OFFICE OF ECONOMIC OPPORTUNITY

## Arizona Population Growth Rate by Age Category, 2016-2027



Source: Arizona Office of Economic Opportunity 2015-2050 Population Projections, Medium Series

**Chart note: data is for the whole state of Arizona**

The 65 and over population is projected to grow at nearly 2-3 times the rate of the 18-64 age group and 3-4 times the rate of the 17 and under age group. The growth rate of the 65 and over cohort will steadily decline over the next decade. The 18-64 cohort will experience slower declines in their growth rate over the next decade. The 17 and under cohort will see modest increases in growth rates during the same period.



## Population Characteristics (2017)

Indicator	Coconino County	Arizona	United States
Median Household Income	\$54,893	\$56,581	\$60,336
Median Age	31.6	37.7	38.1
Individuals with a Disability between 18-64	11.3%	10.5%	10.3%
Veterans	6.6%	9.0%	7.3%
Poverty Status	19.0%	14.9%	13.4%
Mean Travel Time to Work (minutes)	18:36	25:36	26:54
Civilian Labor Force Participation Rate	63.5%	59.6%	62.8%
Population over 16	115,132	5,571,583	260,564,248
Source: Produced by the Arizona Office of Economic Opportunity using 2017 ACS 1-Year Estimates (DP03, B01002, S1810, S2101) in cooperation with the US Census Bureau			

- Coconino County has a lower median household income than Arizona or the United States.
- Coconino County's median age is significantly lower than the state or national median ages.
- Coconino County shows a higher rate of poverty.

These are some of the issues that can shape workforce development policies. Coconino County is a unique area with unique circumstances.



## Highest Educational Level Achieved (Population over 25 years of age; 2017)

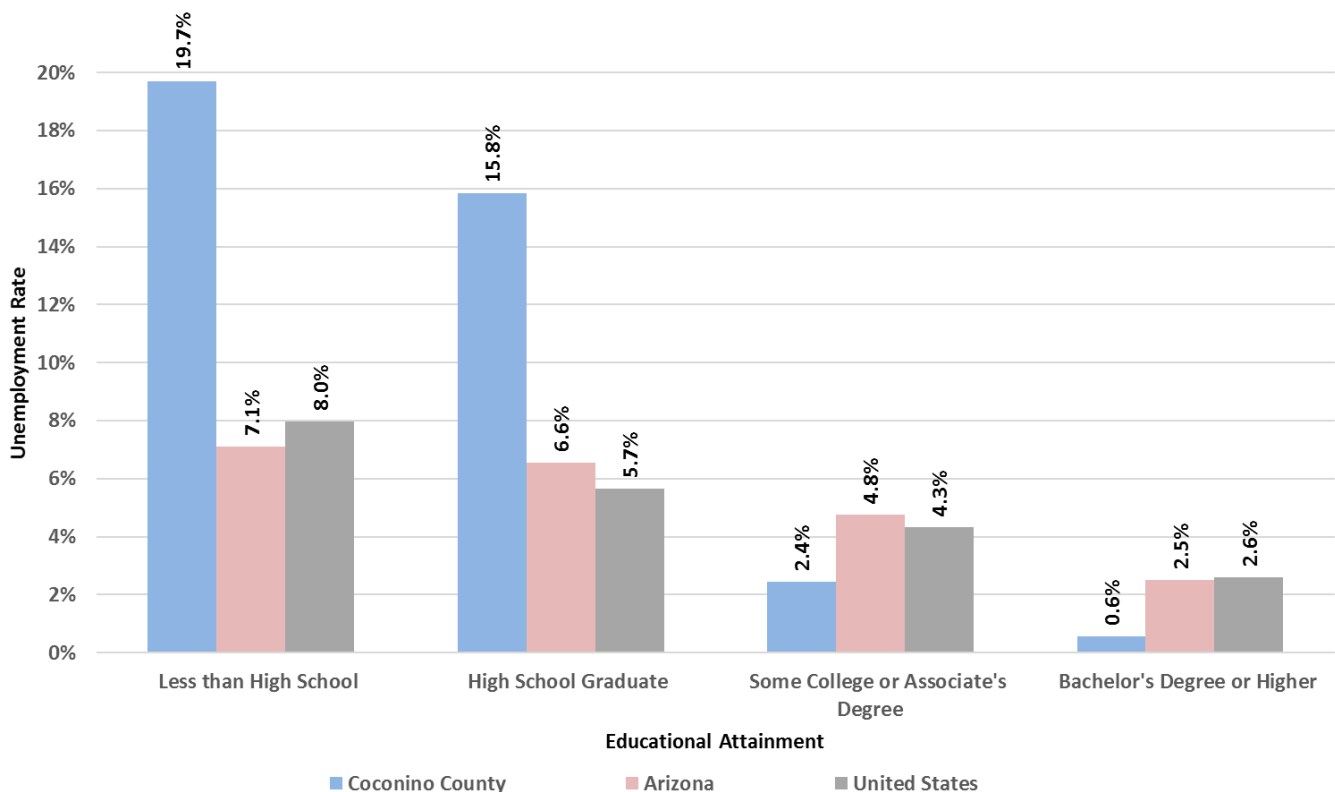
	Coconino County	Arizona	United States
Less than High School	8.8%	12.8%	12.0%
High School Graduate (includes equivalency)	46.8%	49.1%	47.5%
Associate's Degree	7.1%	8.7%	8.5%
Bachelor's Degree	21.7%	18.3%	19.7%
Graduate or Professional Degree	15.6%	11.0%	12.3%
Source: Produced by the Arizona Office of Economic Opportunity using 2017 ACS 1-Year Estimates (S1501) in cooperation with the US Census Bureau			

Coconino County's population has a very high proportion of individuals with a bachelor's degree or higher (37.3%). Still, over half (55.6%) of Coconino County's population has a high school diploma or less than a high school diploma. There are many different levels of educational attainment in Coconino County.



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### Unemployment Rate by Educational Attainment (Ages 25-64) Coconino County 2017



Source: Produced by the Arizona Office of Economic Opportunity using 2017 ACS 1-Year Estimates (B23006) in cooperation with the US Census Bureau

Unemployment rates for Coconino County workers with a high school diploma or less are significantly higher than Coconino County workers with some postsecondary education. Coconino County workers with a Bachelor's Degree or higher have an almost negligible unemployment rate. Coconino County workers with a High School Diploma or less comprise a smaller portion of the prime working age (25-64) participants in the civilian labor force in Coconino County at 28.5%. Coconino County workers with some type of postsecondary education comprise 71.5% of the civilian labor force for prime working age individuals.

In regards to unemployment, whether a worker is in Coconino County or another part of the US, unemployment tends to decrease as educational attainment increases.





## Coconino County Public Assistance Households (2017)

	Coconino County	Arizona	United States
TANF (Temporary Assistance for Needy Families)	1.6%	1.6%	2.3%
SSI (Supplemental Security Income)	5.4%	4.3%	5.3%
SNAP (Supplemental Nutrition Assistance Program)	10.3%	10.8%	11.7%
Medicaid/AHCCCS (Arizona Health Care Cost Containment System)	18.8%	17.4%	15.3%
Source: Produced by the Arizona Office of Economic Opportunity using 2017 ACS 1-Year Estimates (DP03, B27010) in cooperation with the US Census Bureau			

**Chart note: TANF, SSI, and SNAP proportions are based on households, while Medicaid/AHCCCS proportions are based on individuals.**

Coconino County has a higher rate of poverty than Arizona or the United States, but Coconino County has a lower rate of SNAP (Supplemental Nutrition Assistance Program) utilization than either Arizona or the United States. Coconino County also has a higher rate of individuals using Medicaid/AHCCCS for health care coverage than Arizona or the United States.



## Coconino County Health Insurance (2017)

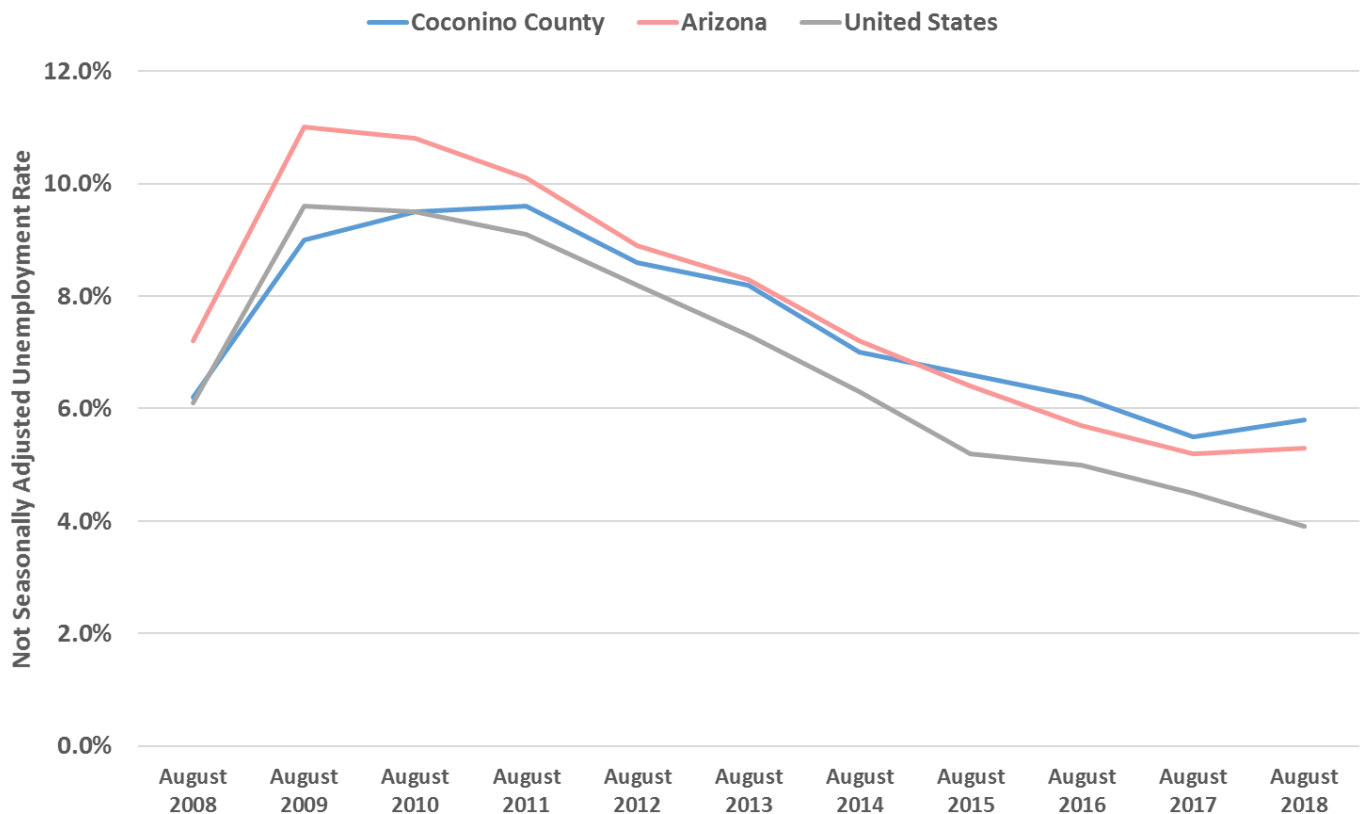
	Coconino County	Arizona	United States
Private Coverage Only (Employer, Direct-Purchase, TRICARE)	49.5%	49.1%	54.1%
Public Coverage Only (Medicare, AHCCCS, Veteran's Admin.)	24.7%	24.2%	20.9%
More than one source of health care coverage	15.5%	16.6%	16.3%
Uninsured	10.2%	10.1%	8.7%
Source: Produced by the Arizona Office of Economic Opportunity using 2017 ACS 1-Year Estimates (B27010) in cooperation with the US Census Bureau			

The sources of health coverage in Coconino County predominantly follows the same patterns as all of Arizona. Coconino County and Arizona have a lower proportion of individuals covered by private coverage compared to the entire United States. Both Coconino County and Arizona have higher rates of individuals covered by public health coverage or lacking health coverage compared to the entire United States.



## OFFICE OF ECONOMIC OPPORTUNITY

# August Unemployment Rate Comparisons Coconino County, Arizona, and United States Historical Rates



Source: Office of Economic Opportunity in cooperation with the US Department of Labor, Bureau of Labor Statistics using Local Area Unemployment Statistics (LAUS)

In general, Coconino County's unemployment rate has trended between the rates of Arizona and the United States. Since 2015, Coconino County's unemployment rate has trended slightly higher than Arizona's rate.



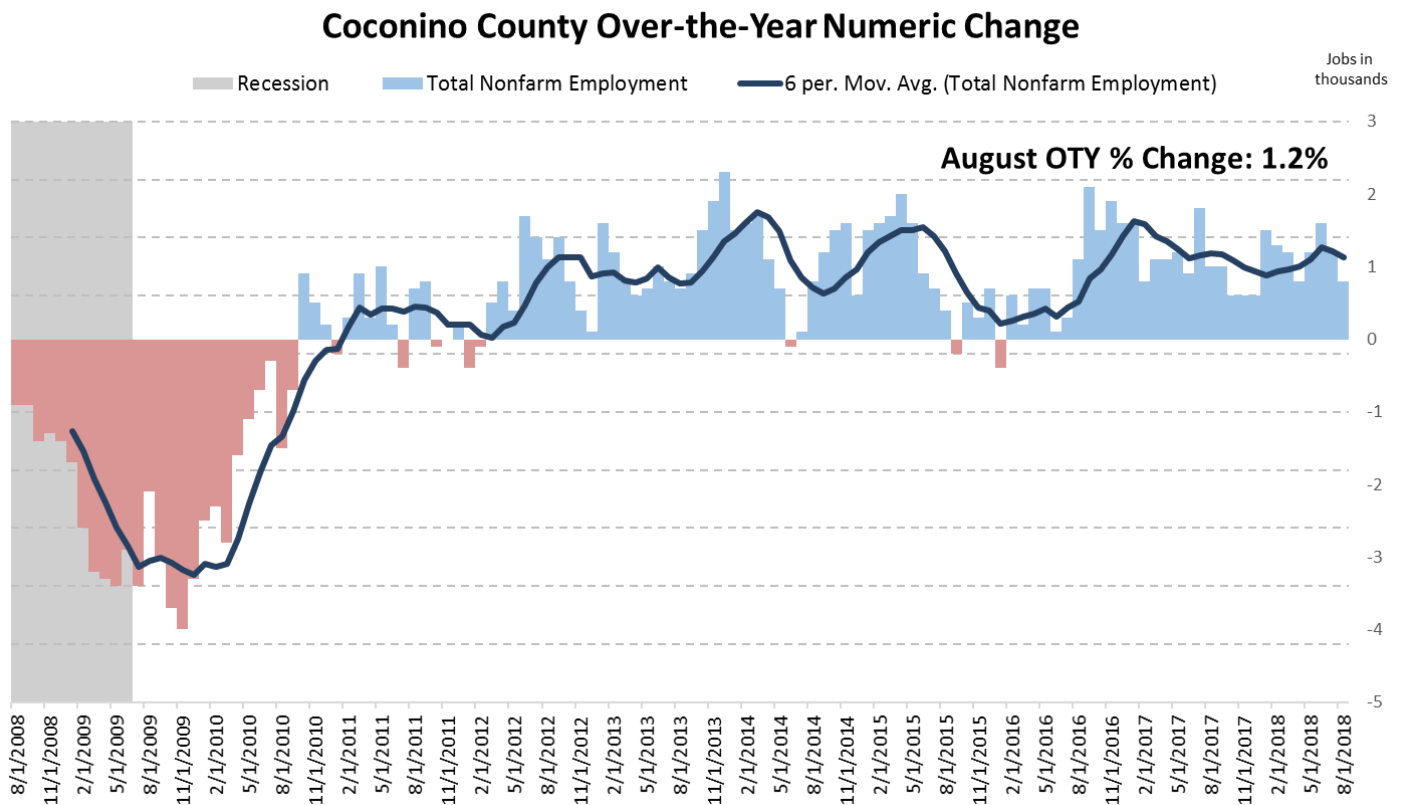
## Coconino County Industry Nonfarm Employment Share 2001 and 2017 Annual Averages

Industry	Employment Share 2001	Employment Share 2017	Change
Education and Health Services	10.9%	14.3%	3.3%
Leisure and Hospitality	19.1%	22.1%	3.0%
Manufacturing	4.8%	6.4%	1.6%
Professional and Business Services	4.4%	4.8%	0.3%
Other Services	2.7%	2.7%	-0.1%
Information	0.9%	0.7%	-0.1%
Financial Activities	2.6%	2.1%	-0.5%
Mining and Construction	4.6%	3.6%	-1.0%
Trade, Transportation, and Utilities	15.5%	14.1%	-1.4%
Government	34.5%	29.3%	-5.2%
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>0.0%</b>
Source: Produced by the Arizona Office of Economic Opportunity using CES data in cooperation with the US Department of Labor, Bureau of Labor Statistics			

Coconino County's economy has changed in the 21st century. While total employment has grown, the distribution between industries has changed over time. Government employment has lost the most shares (-5.2%). It is followed by Trade, Transportation, and Utilities (-1.4%) and Mining and Construction (-1.0%). Generally, Mining and Construction is dominated by Construction. These sectors lost shares while employment in three sectors gained roughly equal shares: Education and Health Services (3.3%); Leisure and Hospitality (3.0%); and Manufacturing (1.6%). Generally, Education and Health Services is dominated by Health Services.



# Coconino County Nonfarm Employment Historical Over The Year Numeric Changes



Source: Office of Economic Opportunity in cooperation with the US Department of Labor, Bureau of Labor Statistics using Current Employment Statistics (CES)

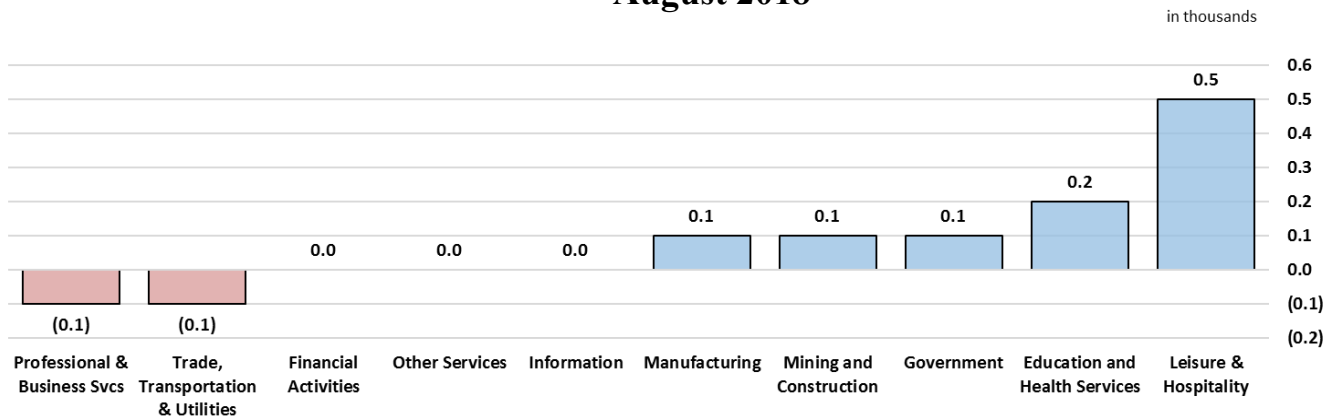
Coconino County has reported modest and consistent annual total nonfarm job growth since 2011.



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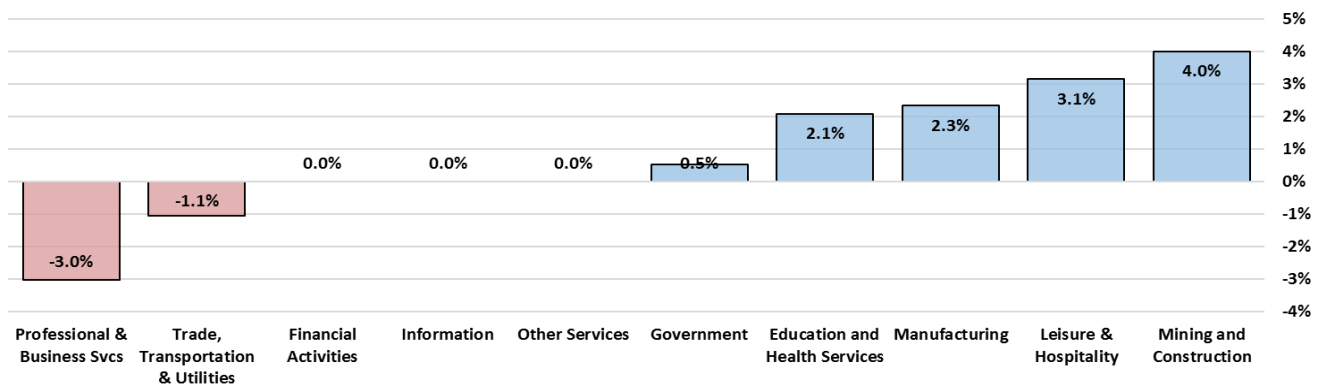
# August 2018 Nonfarm Employment Report

### Coconino County Numeric Over-the-Year Employment Gain/Loss by Sector August 2018



Source: Office of Economic Opportunity in cooperation with the US Department of Labor, Bureau of Labor Statistics using Current Employment Statistics (CES)

### Coconino County Percentage Over-the-Year Employment Gain/Loss by Sector August 2018



Source: Office of Economic Opportunity in cooperation with the US Department of Labor, Bureau of Labor Statistics using Current Employment Statistics (CES)

In August of 2018, Coconino County saw significant annual job growth in Leisure and Hospitality; Education and Health Services; and Mining and Construction. Professional and Business Services and Trade, Transportation, and Utilities saw modest declines.

## 2017-2019 Coconino County Industry Employment Projections

North American Industry Classification (NAICS)		2-Year Change			
Industry Code	Industry Title	2017	2019	Numeric	Percent
000000	Total All Industries	70,107	72,350	2,243	3.2%
000067	Self-Employed and Unpaid Family Workers, All Jobs	3,864	4,035	171	4.4%
000990	Unclassified Payroll Employment	471	483	12	2.5%
110000	Agriculture, Forestry, Fishing and Hunting	2,334	2,407	73	3.1%
210000	Mining	31	30	-1	-3.2%
220000	Utilities	766	676	-90	-11.7%
230000	Construction	2,487	2,627	140	5.6%
310000	Manufacturing	4,247	4,303	56	1.3%
420000	Wholesale Trade	894	846	-48	-5.4%
440000	Retail Trade	6,931	6,938	7	0.1%
480000	Transportation and Warehousing	1,562	1,605	43	2.8%
510000	Information	620	649	29	4.7%
520000	Finance and Insurance	669	662	-7	-1.0%
530000	Real Estate and Rental and Leasing	714	733	19	2.7%
540000	Professional, Scientific, and Technical Services	1,524	1,639	115	7.5%
550000	Management of Companies and Enterprises	181	191	10	5.5%
560000	Administrative and Support and Waste Management and Remediation Services	1,697	1,741	44	2.6%
610000	Educational Services	7,656	7,717	61	0.8%
620000	Health Care and Social Assistance	10,084	10,483	399	4.0%
710000	Arts, Entertainment, and Recreation	3,248	3,669	421	13.0%
720000	Accommodation and Food Services	13,499	14,202	703	5.2%
810000	Other Services (Except Government)	2,278	2,307	29	1.3%
900000	Government	4,350	4,407	57	1.3%

### Arizona Office of Economic Opportunity 2017-2019 Industry Projections

Arts, Entertainment, and Recreation (13.0%); Professional, Scientific, and Technical Services (7.5%); Construction (5.6%); Management of Companies and Enterprises (5.5%); and Accommodation and Food Services (5.2%) are all projected to have growth rates that exceed 5.0% growth rates over the two year projection period. Accommodation and Food Services (703 jobs); Arts, Entertainment, and Recreation (421 jobs); and Health Care and Social Assistance (399 jobs) are projected to have the largest numeric increases in Coconino County during the two year projection period.



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### 2017-2019 Projected Job Growth by Region

Area Name	2017 Estimated Total Employment Level	2019 Estimated Total Employment Level	2-year Numeric Growth	2-Year Annualized Percentage Growth
Arizona	2,933,968	3,086,936	152,968	2.6%
Coconino County	70,107	72,350	2,243	1.6%
Maricopa County	2,067,036	2,190,157	123,121	3.0%
Mohave and La Paz	59,173	61,573	2,400	2.0%
Northeastern Arizona	74,509	76,772	2,263	1.5%
Pima County	392,316	405,671	13,355	1.7%
Pinal County	66,356	69,239	2,883	2.1%
Santa Cruz County	15,080	15,156	76	0.3%
Southeastern Arizona	53,375	55,103	1,728	1.6%
Yavapai County	69,233	72,103	2,870	2.1%
Yuma County	66,281	68,306	2,025	1.5%

Arizona Office of Economic Opportunity 2017-2019 Industry Projections

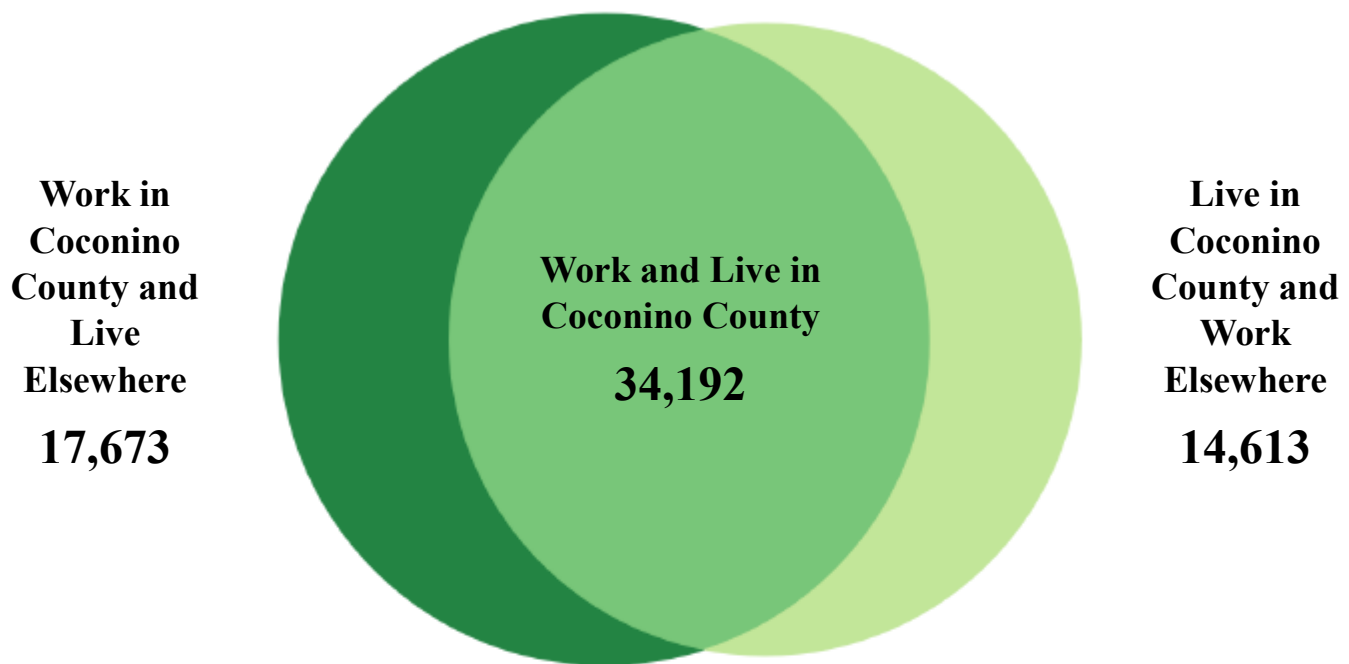
The different regions in Arizona are projected to experience job growth during the projections period. Some are projected to grow faster than others, but the growth rates are projected to be positive.





## Coconino County Commuting Patterns

### Coconino County 2015



Source: Produced by the Arizona Office of Economic Opportunity using On The Map in cooperation with the US Census Bureau

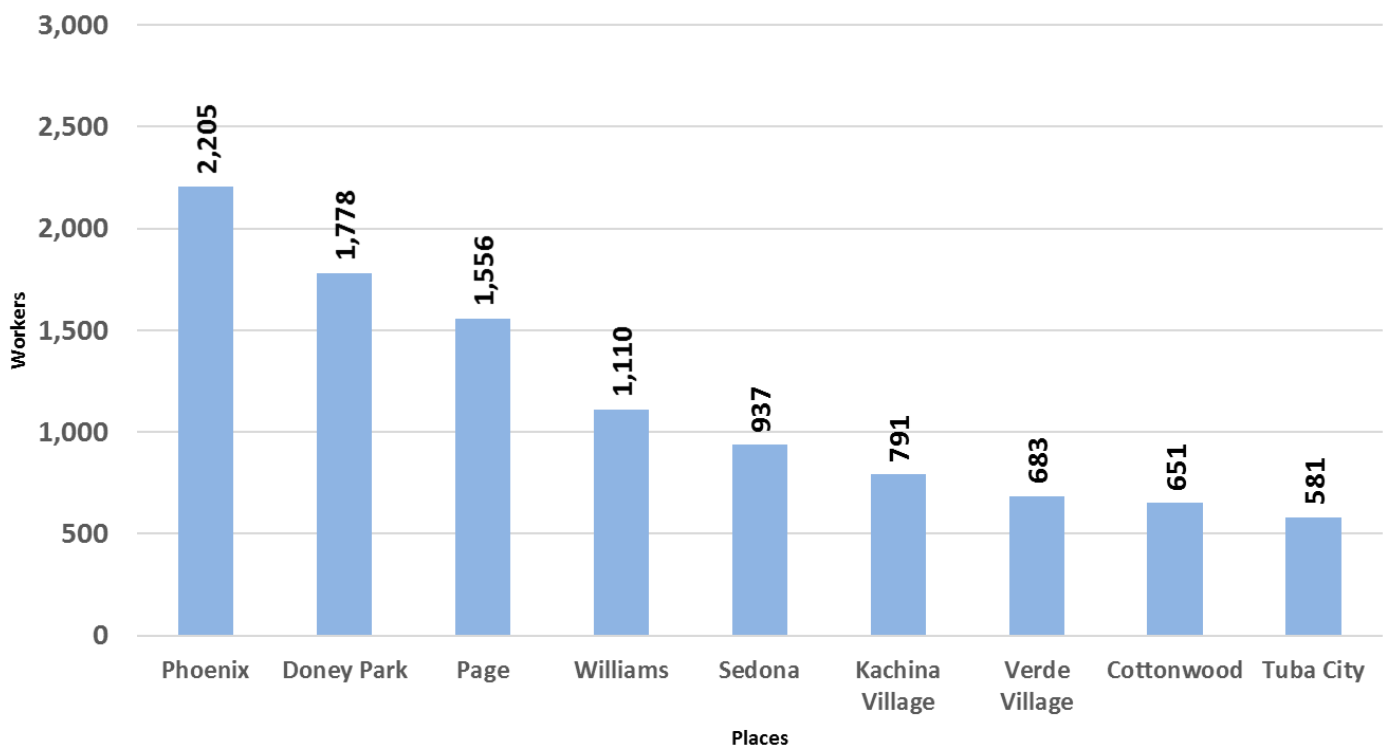
On The Map can provide information about commuting patterns for residents and workers within Coconino County. Most workers in Coconino County also live in Coconino County, but there are both inflows and out-flows. Coconino County has slightly more workers coming into the area for work than leaving the area.

The dark green circle represents the population that works in Coconino County (51,865 individuals). The light green circle represents the population that lives in Coconino County (48,805 individuals). The area where the circles overlap represents the population that both lives and works within Coconino County (34,192 individuals).



## Top 9 Places of Residence for Coconino County Workers (Flagstaff Excluded)

### Coconino County 2015



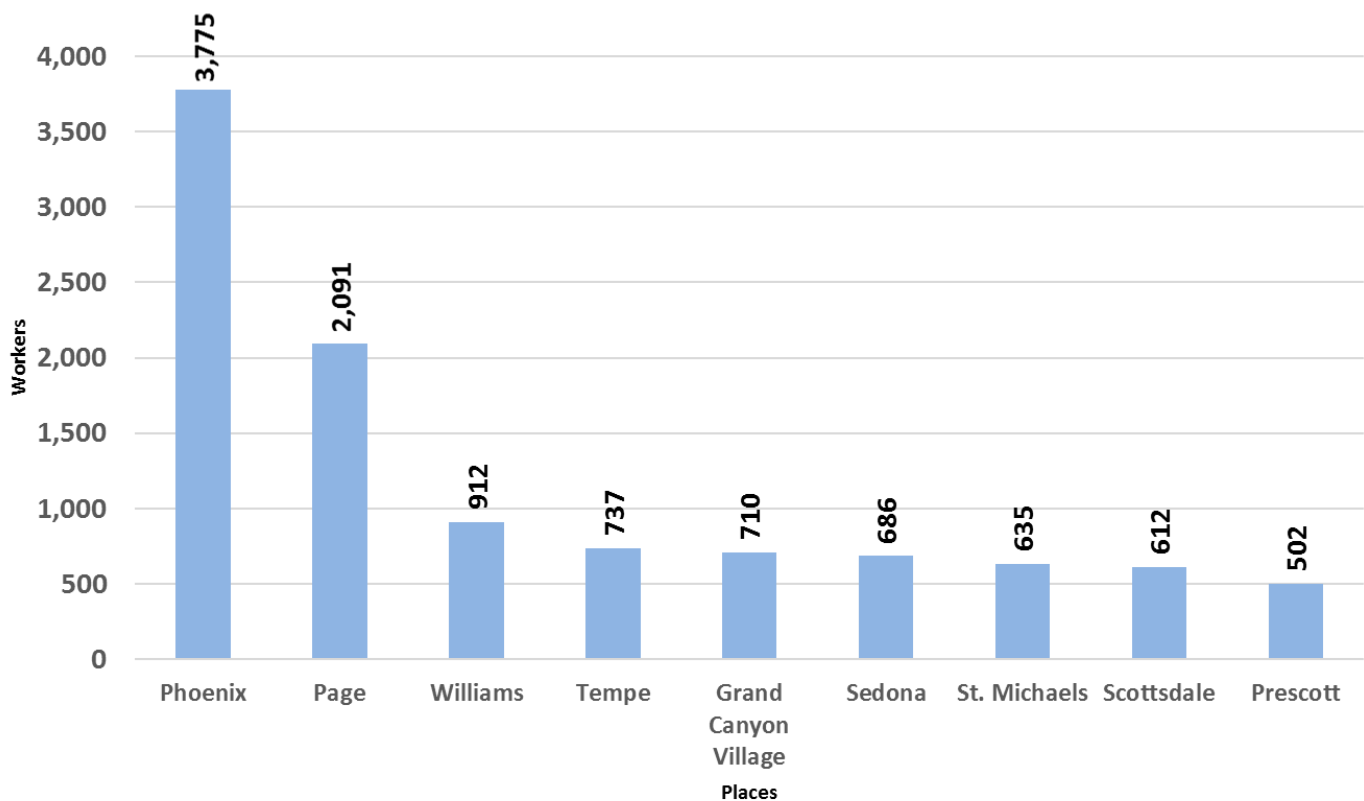
Source: Produced by the Arizona Office of Economic Opportunity using On The Map in cooperation with the US Census Bureau

Of the 51,865 individuals who work in Coconino County, these are the top 9 places where these individuals live (dark green circle). Flagstaff is the top place for Coconino County workers to live, but it was excluded because the scale would have made the nine places listed incomprehensible. 21,124 of the 51,865 individuals who work in Coconino County live in Flagstaff (40.7%).



## Top 9 Places of Employment for Coconino County Residents (Flagstaff Excluded)

### Coconino County 2015



Source: Produced by the Arizona Office of Economic Opportunity using On The Map in cooperation with the US Census Bureau

Of the 48,805 individuals who live in Coconino County, these are the top 9 places where these individuals work (light green circle). Flagstaff is the top place for Coconino County residents to work, but it was excluded because the scale would have made the nine places listed incomprehensible. 24,340 of the 48,805 individuals who live in Coconino County work in Flagstaff (49.9%).



## Data Sources

### **LaborStats.az.gov**

Employment Data:

[laborstats.az.gov/employment](http://laborstats.az.gov/employment)

Unemployment Data:

[laborstats.az.gov/unemployment](http://laborstats.az.gov/unemployment)

Wage & Income Data:

[laborstats.az.gov/wages-income](http://laborstats.az.gov/wages-income)

Employment Projections Data:

[laborstats.az.gov/employment-forecasts](http://laborstats.az.gov/employment-forecasts)

Population Data:

[laborstats.az.gov/population](http://laborstats.az.gov/population)

### **Other Labor Market Data Sources**

Commuting Patterns Data:

On the Map: [onthemap.ces.census.gov/](http://onthemap.ces.census.gov/)

Demographics Data:

American Community Survey: [census.gov/programs-surveys/acs/](http://census.gov/programs-surveys/acs/)

Personal Income and State GDP Data:

US Bureau of Economic Analysis: [bea.gov/regional/index.htm](http://bea.gov/regional/index.htm)

Interactive Employment Mapping

Maricopa Association of Governments: <http://geo.azmag.gov/maps/azdemographics/>

Skills and Training Requirement Data:

O\*NET: [onetonline.org/find/descriptor/browse](http://onetonline.org/find/descriptor/browse)



OFFICE OF ECONOMIC OPPORTUNITY

## Contact Information

**Website:** <https://laborstats.az.gov>

**Phone:** 602.771.2222

**Office Email:** [labor.info@azstats.gov](mailto:labor.info@azstats.gov)

**Doug Walls:** [doug.walls@oeo.az.gov](mailto:doug.walls@oeo.az.gov)

For information on  
the Office of  
Economic  
Opportunity's  
recommended  
In-Demand  
Industries visit:

[https://  
tabsoft.co/2AE47vq](https://tabsoft.co/2AE47vq)

Tool Provides:

⇒ Custom Data Filters

⇒ Visual Comparisons

⇒ “Highlight” feature

⇒ Local employment data

⇒ Visualizes Sectors & Detailed Industries

⇒ Customer Support at (602)771-2222

labor.info@oeo.az.gov

Local Workforce Labor Market Information

Instructions:

- Select a local region below to get started
- Review employment and wage estimates to identify qualified in-demand industry sectors
- Hover over an industry to highlight data elements for that industry only
- In-demand industries that were calculated using the state’s methodology are highlighted in blue and are represented with the star symbol below

Local Area

Northeastern Arizona

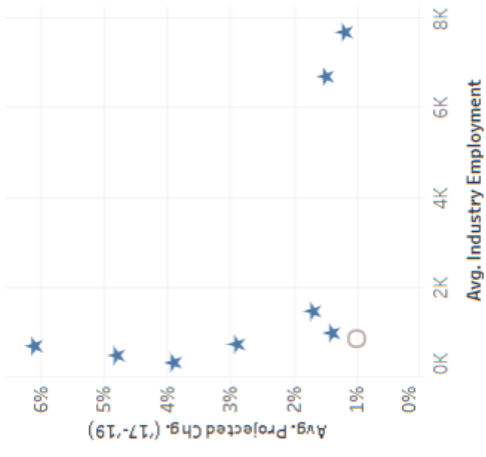
Industry Detail

Industry Sectors

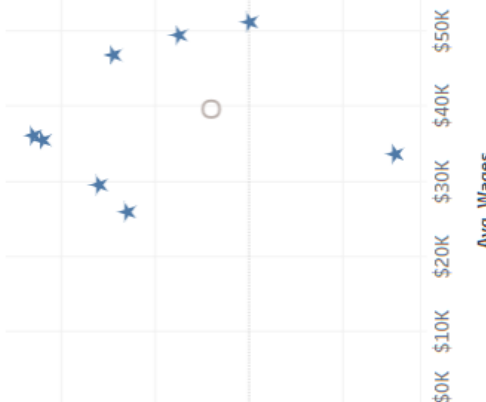
In-Demand Industries

Industry	Industry Rank	Employment Level	Projected Growth ('17-'19)	Average Wages	Wage Growth ('14-'17)
Health care and social assistance	1	7,695	1.2%	\$46,904	2.9%
Retail trade	2	6,707	1.5%	\$25,965	2.6%
Agriculture, forestry, fishing and hunting	3	492	4.8%	\$33,696	-3.1%
Professional and technical services	4	702	6.1%	\$49,539	1.5%
Administrative and waste services	5	991	1.4%	\$36,140	4.6%
Arts, entertainment, and recreation	6	333	3.9%	\$29,562	3.2%
Manufacturing	7	1,476	1.7%	\$51,289	0.0%
Real estate and rental and leasing	8	742	2.9%	\$35,533	4.4%
Transportation and warehousing	9	868	1.0%	\$39,693	0.8%

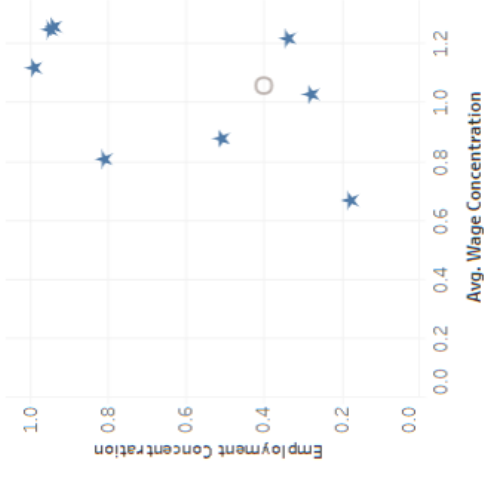
Employment



Wages



Industry Concentration



For information on the Office of Economic Opportunity's recommended In-Demand Occupations visit:

<https://tabsoft.co/2JsE6St>

Local Workforce Occupations

Instructions:  
-Customize your list of occupations by selecting a local region, industry category and minimum education level  
-Review employment and wage estimates associated with each occupation  
-Occupations are assigned a rating from 1-5 calculated using wage, and numeric and percentage growth rates  
-Hover over an occupation to highlight data elements on the graph below

Local Area

Arizona

Industry

Construction

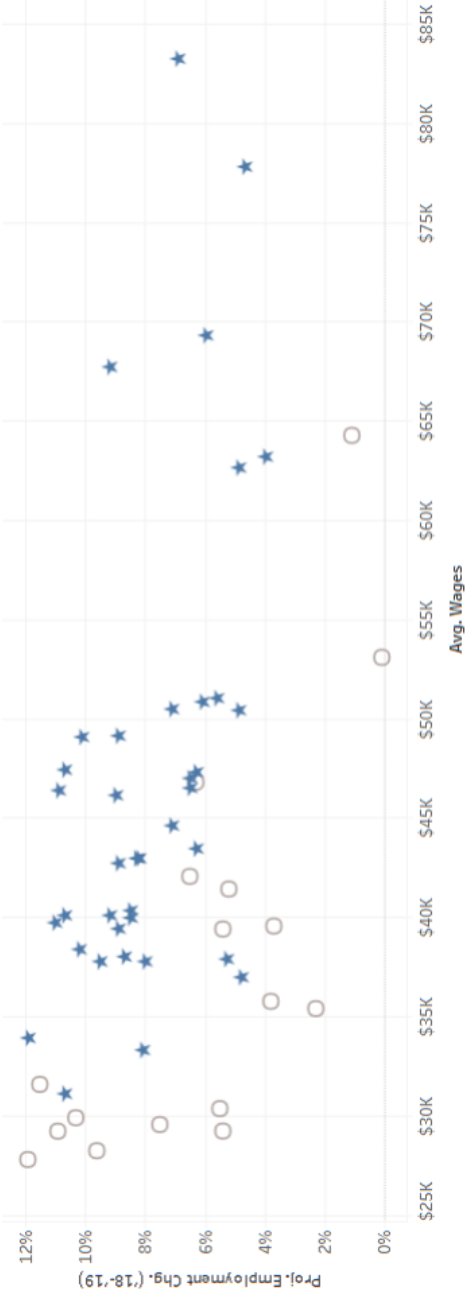
Minimum Education Required

(All)

In-Demand Occupations

Occupation	Employment Level	Annualized Proj Occ Emp...	Annual Wages	Minimum Education Req.	
Carpenters	16,157	4.1%	\$42,990	HS Diploma	★★★★★
Cement masons and concrete finishers	6,476	5.4%	\$39,750	Less than H.S.	★★★★★
Construction laborers	22,852	4.0%	\$33,349	Less than H.S.	★★★★★
Cost estimators	5,724	4.5%	\$67,771	Bachelor's Degree	★★★★★
Drywall and ceiling tile installers	4,932	4.2%	\$40,032	Less than H.S.	★★★★★
Electricians	12,488	4.4%	\$49,181	HS Diploma	★★★★★
Heating, air conditioning, and refrigeration mechanics and installers	7,522	5.3%	\$46,444	Certification	★★★★★
Heavy and tractor-trailer truck drivers	27,205	3.5%	\$44,640	Certification	★★★★★

Wage & Employment



**Tool Provides:**

⇒ Custom Data Filters

⇒ Visual Comparisons

⇒ “Highlight” feature

⇒ Local employment data

⇒ Star ranking comparing jobs of equal education level

⇒ Customer Support at (602)771-2222

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